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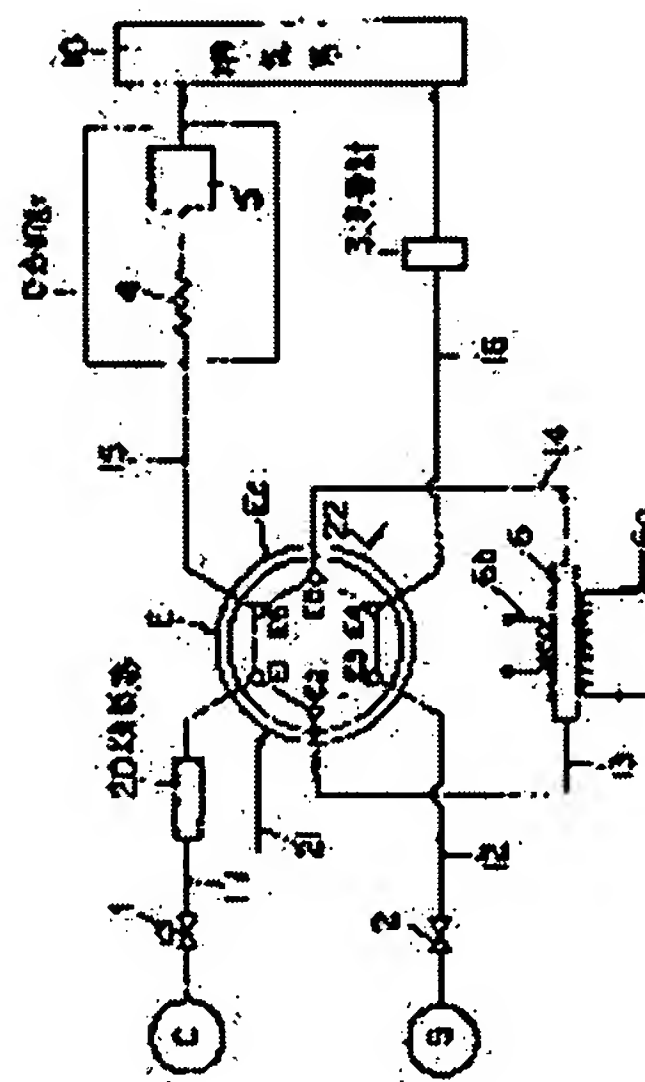
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(54) CONCENTRATION ANALYSIS METHOD AND APPARATUS

(57)Abstract:

PURPOSE: To enable highly accurate analysis with a prevention of entry of atmospheric air and simplify a piping system by supplying a carrier gas through refining device to perform a passage switching between a carrier gas and a sample gas with a multi-way cock with a seal.

CONSTITUTION: A carrier gas C is made to pass through a refining device 20 with that packed into a high pressure vessel decompressed through a decompression valve 1 to remove impurities therein C beforehand. As a result, even when the gas C flows through a concentrating tube 6 controlled to a low temperature together with a sample gas S during a concentration process, as the impurities in the gas C decreases extremely, there is little low-temperature absorption by an adsorbent in the concentrating tube 6, which achieves a higher sensitivity with a reduction in background during a measurement. In addition, when a passage switching is performed between the gas C and the gas S with a multi-way cock E with a seal, the entry of atmospheric air can be prevented into the cock E in the switching of the passage thereby achieving a higher sensitivity.



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